

DERWENT-ACC-NO: 1998-572607

DERWENT-WEEK: 199849

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TITLE: Planographic printing plate for electrophotographic reversal development - has a coating solution applied on a conductive support and is then dried, etc.

PATENT-ASSIGNEE: MITSUBISHI PAPER MILLS LTD[MITY]

PRIORITY-DATA: 1997JP-0054909 (March 10, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 10254187 A	September 25, 1998	N/A	011	G03G 013/28

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 10254187A	N/A	1997JP-0054909	March 10, 1997

INT-CL (IPC): G03G005/05, G03G013/28

ABSTRACTED-PUB-NO: JP 10254187A

BASIC-ABSTRACT:

A coating soln. for a photoconductive layer is applied on a conductive support and is then dried. A toner image is formed by reversal development on an exposure portion by electrophotography. A non-image portion is eluted and removed. The conductive support has a centre-line peak height obtd. by measuring its surface shape with a tracer method surface roughness tester having a stylus dia. of 1 micronmetre in the range of 1.0 to 2.5 micronmetres. The coating soln. has a moisture content of 0.5% or less.

ADVANTAGE - The use of the conductive support having a centre-line peak height in the range of 1.0 to 2.5 micronmetres and the coating soln. having a moisture content of 0.5% or less relaxes a variation in a surface electric potential to

depress the development of black dot defect at the non-image portion without compromising an image having no fog or thin line.

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: G08 P84 S06

CPI-CODES: G05-A01; G06-D05A; G06-E04; G06-G08;

EPI-CODES: S06-A01A;

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Basic Abstract Text - ABTX (1):

A coating soln. for a photoconductive layer is applied on a conductive support and is then dried. A toner image is formed by reversal development on an exposure portion by electrophotography. A non-image portion is eluted and removed. The conductive support has a centre-line peak height obtd. by measuring its surface shape with a tracer method surface roughness tester having a stylus dia. of 1 micronmetre in the range of 1.0 to 2.5 micronmetres. The coating soln. has a moisture content of 0.5% or less.

Basic Abstract Text - ABTX (2):

ADVANTAGE - The use of the conductive support having a centre-line peak height in the range of 1.0 to 2.5 micronmetres and the coating soln. having a moisture content of 0.5% or less relaxes a variation in a surface electric potential to depress the development of black dot defect at the non-image portion without compromising an image having no fog or thin line.

Title - TIX (1):

Planographic printing plate for electrophotographic reversal development - has a coating solution applied on a conductive support and is then dried, etc.

Standard Title Terms - TTX (1):

PLANOGRAPHIC PRINT PLATE ELECTROPHOTOGRAPHIC REVERSE
DEVELOP COATING
SOLUTION APPLY CONDUCTING SUPPORT DRY